



Receipt
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Patent
P56612

JAN 16 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kwey-Hyun Kim et al.

Serial No.: 09/996,771

Examiner: To be Assigned

Filed: 30 November 2001

Art Unit: 2871

For: DISPLAY APPARATUS

SECOND REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

The Assistant Commissioner
for Patents
Washington, DC 20231

Sir:

The attorney for the Applicant notes that the Official Corrected Filing Receipt (PTO-103X) for the above referenced Application bears an error in the number of independent claims as shown below:

1. **Correct:** Independent Claims from "1" to -- 2--

To support this Request, copies of New Application to show the number of independent claims is enclosed.

Please correct and re-issue a Corrected Filing Receipt including the change mentioned above.

Respectfully submitted,

Robert E. Bushnell
Attorney for the Applicant
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Folio: P56612
Date: 1/ 3/2
I.D.: REB/mn

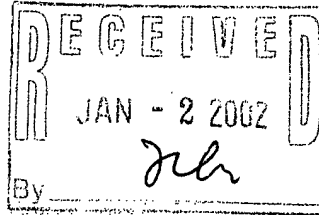


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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/996,771	11/30/2001	2871	740	P56612	5	12	1

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CONFIRMATION NO. 4887

CORRECTED FILING RECEIPT



OC000000007232823

Date Mailed: 12/26/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 49322/2001 08/16/2001

If Required, Foreign Filing License Granted 12/17/2001

Projected Publication Date: 02/20/2003

Non-Publication Request: No

Early Publication Request: No

Title

Display apparatus

Preliminary Class

349

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Title 37, Code of Federal Regulations, 5.11 & 5.15**

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WHAT IS CLAIMED IS:

First independent claim

1. A display apparatus having a cathode ray tube bulb which includes a panel displaying a picture thereon, a funnel combined with the panel, and a neck combined with the funnel, said apparatus further comprising:

an electron gun unit including an electron gun main body inserted into the neck, and a boss part protruding from the neck at a rear end part of the electron gun main body and having a plurality of pins arranged thereon; and

a video unit including a video printed circuit board (PCB) disposed parallel to the axis of the neck, and a boss holder vertically provided on the video PCB and connected to the boss part so as to transmit a video signal from the video PCB to the electron gun unit.

2. The display apparatus according to claim 1, wherein the video PCB is horizontally installed under the neck.

3. The display apparatus according to claim 1, wherein the boss holder has a plurality of pinholes formed therein for receiving the plurality of pins of the electron gun unit.

4. The display apparatus according to claim 1, further comprising a neck fixing holder provided on the video PCB for fastening the neck to the video PCB.

1 5. The display apparatus according to claim 4, wherein the neck fixing holder comprises a
2 pair of ring holders into which the neck is inserted.

1 6. The display apparatus according to claim 5, further comprising connecting means for
2 connecting the ring holders to each other when the neck is inserted into the ring holders.

Second independent claim

1 7. A display apparatus, comprising:

2 an electron gun unit including a main body and a boss part protruding from a rear part of the
3 main body, said boss part having a plurality of pins disposed thereon and extending rearwardly
4 therefrom; and

5 a video unit including a video printed circuit board (PCB) and a boss holder vertically
6 disposed on the video PCB for connection to the boss part of the electron gun unit so as to transmit
7 a video signal from the video PCB to the electron gun unit.

1 8. The display apparatus according to claim 7, wherein the boss holder has a plurality of
2 pinholes formed therein for receiving the plurality of pins of the boss part.

1 9. The display apparatus according to claim 7, wherein the electron gun unit is inserted into
2 a neck of a cathode ray tube bulb, and the video PCB is horizontally installed under the neck of the

3 cathode ray tube bulb.

1 10. The display apparatus according to claim 9, further comprising a neck fixing holder
2 provided on the video PCB for fastening the neck to the video PCB.

1 11. The display apparatus according to claim 10, wherein the neck fixing holder comprises
2 a pair of ring holders into which the neck is inserted.

1 12. The display apparatus according to claim 11, further comprising connecting means for
2 connecting the ring holders to each other when the neck is inserted into the ring holders.

ABSTRACT

1
2 A display apparatus has a cathode ray tube bulb which includes a panel displaying a picture
3 thereon, a funnel combined with the panel, and a neck connected to the funnel. The display
4 apparatus further comprises an electron gun unit which includes an electron gun main body inserted
5 into the neck and a boss part protruding from the neck at a rear part of the electron gun main body
6 and having a plurality of pins disposed therearound, and a video unit which includes a video PCB
7 disposed parallel to the axis of the neck and a boss holder vertically provided on the video PCB and
8 combined with the boss part so as to transmit a video signal from the video PCB to the electron gun
9 unit. With this configuration, space for installation of the video PCB is minimized, and the video unit
10 is not easily separated from an electron gun unit.



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Bib Data Sheet

CONFIRMATION NO. 4887

SERIAL NUMBER 09/996,771	FILING DATE 11/30/2001 RULE	CLASS 349	GROUP ART UNIT 2871	ATTORNEY DOCKET NO. P56612
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You-Sub Lee, Kunpo city, KOREA, REPUBLIC OF;

** CONTINUING DATA *****

** FOREIGN APPLICATIONS *****

REPUBLIC OF KOREA 49322/2001 08/16/2001

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JUL 11 2002

GROUP 3600

IF REQUIRED, FOREIGN FILING LICENSE GRANTED

** 12/17/2001

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY KOREA, REPUBLIC OF	SHEETS DRAWING 5	TOTAL CLAIMS 12	INDEPENDENT CLAIMS 2
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature	Initials		

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TITLE

Display apparatus

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